What is claimed is:

1. A drive mechanism for optical scanner, comprising:

an image pick-up device which can move back and forth in the scan path provided by the said optical scanner to scan image;

a delivery device consists of a actuating wheel, a passive wheel and a annular conveyor belt, the above-mentioned two wheels are set in the two ends of scan path, the said circular conveyor belt is harnessed on the two wheels and is connected to image pick-up device;

a first motor which provides rotational power of the first rotational speed and drives actuating wheel in order to promote image pick-up device that scans back and forth in the scan path, and

a second motor which provides rotational power of the second rotational speed and drives actuating wheel in order to promote image pick-up device that scans back and forth in the scan path;

wherein the delivery device is drove by one of the two motors at the same time and the other motor is controlled in the idle running.

2. A drive mechanism of optical scanner according to claim 1, wherein the image pick-up device is an optical path device with charge-coupled device.

3. A drive mechanism of optical scanner according to claim 1, wherein the image pick-up device is a contact image sensor.

4. A drive mechanism of optical scanner according to claim 1, wherein the image pick-up device provides scan path and they are guide bar and guide rail which parallel each other, image pick-up device has a guide hole and a roller and cooperate with guide bar and guide rail so as to scan back and forth in the scan path.

5. A drive mechanism of optical scanner according to claim 1, wherein the above two wheels of delivery device are two fixed pulleys, and the annular conveyor belt is an annular belt.

6. A drive mechanism of optical scanner according to claim 1,

wherein the above two wheels of delivery device are two gears; the annular conveyor belt is an annular gear belt.

7. A drive mechanism of optical scanner according to claim 1, wherein the axes of delivery device's two wheels are connected to reduction gear set respectively and combined with the first, second motor respectively by means of the above-mentioned two reduction gear sets.

8.A drive mechanism of optical scanner according to claim 1, wherein a gear is established in the output ends of the above-mentioned two motors respectively, the above-mentioned motor drives actuating wheel to rotate by means of the said gear.

9. A drive mechanism of optical scanner according to claim 7, wherein a reduction gear set is used to connect between the first motor and reduction gear set.

10. A drive mechanism of optical scanner according to claim 1, wherein the drive mechanism further comprising a controller is connected to the above-mentioned two motors with electrical connection way so that one of the two motors is served as dynamical output at the same time and the other motor is controlled in the status of idle running.

11 A drive mechanism of optical scanner comprising:

an image pick-up device which can move back and forth in the scan path provided by the said optical scanner to scan image;

a delivery device consists of a actuating wheel, a passive wheel and a annular conveyor belt, the above-mentioned two wheels are set in the two ends of scan path, the said circular conveyor belt is harnessed on the two wheels and is connected to image pick-up device;

a first motor which provides rotational power of the first rotational speed and drives actuating wheel in order to promote image pick-up device that scans back and forth in the scan path, and

a second motor which provides rotational power of the second rotational speed and drives actuating wheel in order to promote image pick-up device that scans back and forth in the scan path;

wherein the delivery device is drove by one of the two motors at the same time and the other motor is controlled in the idle running.

12. A drive mechanism of optical scanner according to claim 11, wherein the image pick-up device is an optical path device with charge-coupled device.

13. A drive mechanism of optical scanner according to claim 11, wherein the image pick-up device is a contact image sensor.

14. A drive mechanism of optical scanner according to claim 11, wherein the image pick-up device provides scan path and they are guide bar and guide rail which parallel each other, image pick-up device has a guide hole and a roller and cooperate with guide bar and guide rail so as to scan back and forth in the scan path.

15. A drive mechanism of optical scanner according to claim 11, wherein the above two wheels of delivery device are two fixed pulleys, and the annular conveyor belt is an annular belt.

16. A drive mechanism of optical scanner according to claim 11, wherein the above two wheels of delivery device are two gears; the annular conveyor belt is an annular gear belt.

17. A drive mechanism of optical scanner according to claim 11, wherein the axes of delivery device's two wheels are connected to reduction gear set respectively and combined with the first, second motor respectively by means of the above-mentioned two reduction gear sets.

18. A drive mechanism of optical scanner according to claim 11, wherein a gear is established in the output ends of the above-mentioned two motors respectively, the above-mentioned motor drives actuating wheel and passive wheel to rotate by means of the said gear.

19. A drive mechanism of optical scanner according to claim 11, wherein the drive mechanism further comprising a controller is connected to the above-mentioned two motors with electrical connection way so that one of the two motors is served as dynamical output at the same time and the other motor is controlled in the status of idle running.

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